

AMENDMENTS TO THE CLAIMS

Claims 1-23 cancelled.

24. (Currently Amended) A method for configuring a diagnostic device to access information from an on-board diagnostic system of a vehicle under test, the method comprising:

a. ~~connecting a protocol~~ an automotive diagnostic standard specific connector to a handheld diagnostic device, the ~~protocol~~ standard specific connector having a plurality of pins, with a jumper connected between two of the pins;

b. identifying physical features of the connector, the physical features directly identifying ~~at least one communication protocol~~ the automotive diagnostic standard associated with the vehicle under test, the physical features being unrelated to vehicle information other than identification of the ~~at least one communication protocol~~, ~~the at least one communication protocol being identified~~ automotive diagnostic standard based upon identification of the two pins connected by the jumper therebetween;

c. identifying communication protocols associated with the identified automotive diagnostic standard;

d. serially communicating between the diagnostic device and the vehicle diagnostic system using only the associated communication protocols until one of the associated protocols is successful in establishing a communication link between the device and the vehicle on-board system.

e. retrieving configuration data associated with the successful communications protocol(s); and

f. configuring the diagnostic device in accordance with the retrieved configuration data, independent of resources external to the hand held device.

25. (Previously Presented) The method as recited in Claim 24 wherein the step of identifying physical features of the connector includes identifying the connector connectivity configuration.

26. (Previously Presented) The method as recited in Claim 24 wherein the step of identifying physical features of the connector includes identifying the connector pin configuration.

27. (Previously Presented) The method as recited in Claim 24 wherein the step of identifying physical features of the connector comprises performing a continuity test to identify whether continuity exists between specific pins of the connector.

28. (Previously Presented) The method as recited in Claim 24 wherein the step of identifying physical features of the connector comprises determining if the connector is a standardized OBD-II connector.

29. (Currently Amended) The method as recited in Claim 24 wherein steps a-c are ~~the method~~ is performed with the device disconnected from the vehicle diagnostic port.

30. (Cancelled) ~~The method as recited in Claim 24 wherein the associated at least one communications protocol comprises a plurality of communication protocols; and wherein the method further comprises serially polling the on-board diagnostic system using each of the plurality of communication protocols until successful communication is established between the device and the vehicle on-board system.~~

31. (Currently Amended) The method as recited in Claim ~~30~~ 24 wherein the ~~plurality of the~~ communication protocols include ISO9141, J1850 VPW, J1850 PWM, Keyword 2000, and CAN.

32. (Currently Amended) A handheld diagnostic device for accessing information from a diagnostic port of a vehicle under test, the diagnostic port being in communication with a vehicle on board diagnostic system, the device comprising:

a. a central processing unit;

b. a memory; and

c. an automotive diagnostic standard ~~a protocol~~ specific connector for connecting the device to the diagnostic port, the connector having a plurality of pins, the connector having a jumper connected between two of the pins, the two pins being recognizable by the central processing unit, as directly corresponding to a specific automotive diagnostic standard at ~~least one associated communications protocol(s)~~, and unrelated to vehicle information other than identification of the specific automotive diagnostic standard ~~at least one communication protocol~~;

d. the memory including at least one look-up table identifying communication protocols associated with the specific diagnostic standard;

e. a sequencer for sequentially implementing each of the plurality of the protocols until successful communication is established with the vehicle on-board diagnostic system;

f. the memory including at least one look-up table identifying diagnostic configuration data corresponding to at least one associated communication protocol; and

g. and the central processing unit being operative to configure the diagnostic device in accordance to the configuration data, independent of resources external to the hand held device.

33. (Previously Presented) The device as recited in Claim 32 wherein connector is a standardized OBD-II connector.

34. (Currently Amended) The device as recited in Claim 32 wherein the ~~at least one associated communication protocol(s) comprises a plurality of communications protocols;~~

~~wherein the memory includes diagnostic configuration data corresponding to each of the plurality of communication protocols; and~~

~~wherein the device further comprises a sequencer for sequentially implementing each of the plurality of the protocols until successful communication is established with the vehicle on-board diagnostic system.~~

35. (Cancelled) ~~The device as recited in Claim 34 wherein the plurality of communications protocols comprise GM, Ford and Chrysler OBD-I communication protocol(s).~~

36. (Currently Amended) The device as recited in Claim 34 wherein the plurality of communication protocols comprise ISO9141, J1850 VPW, J1850 PWM, Keyword 2000, and CAN protocols.